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Service Mesh training: Optimize your microservices

OFFICIAL SERVICE MESH FUNDAMENTALS COURSE INCLUDED (LFS243)

Presentation

Our Service Mesh training course will teach you the fundamentals of this type of program. You'll learn how to optimize communication within your microservices infrastructure.

A service mesh is an essential DevOps tool for improving [communication between your containerized applications](#), so that they can scale more easily.

Our training course will introduce you to the fundamentals of this concept. You'll discover the advantages, best practices and [best tools](#) available on the market.

By the end of this course, you'll know why to use a mesh service, which tool to choose and how to integrate and manipulate these tools in the right way (including learning about data and control planes).

Training content

- 1 day training
- Over 15 hours of video training (the Service Mesh Fundamentals course: LFS243)

Objectives

- Understanding mesh service and its benefits
- Knowing how to use it properly
- Choosing and identifying the best tools

Target audience

- DevOps
- System administrators
- Developers
- Architects

Prerequisites

- Knowledge of system administration
- Knowledge of containerization

Our Service Mesh training program

Native cloud applications

- The benefits of microservices
- Problems encountered by native cloud applications
- What is mesh service?
- East-west and north-south traffic
- Why use the mesh service?
- System limits
- Improving resilience

The best tools

- Istio
- Consul
- Linkerd
- Traefik
- Envoy

Architecture

- Service Mesh rules
- Architectural presentation
- SMI
- SPIFFE

Using a mesh service

- Data planes
- Control planes
- Meshsync
- Using Meshery

Best practices

- Best deployment practices
- Managing your traffic correctly
- Monitoring
- Good safety practices

Companies concerned

This course is aimed at companies, large or small, wishing to train their teams in a new, advanced computer technology.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.